

29. (Twice Amended) A computer-implemented method of generating three-dimensional form data to be used in a computer apparatus, the method comprising the steps of:

obtaining an electronic data representing a three-dimensional form model;
generating a plurality of lines along a surface of the three-dimensional form model, whereby the plurality of generated lines represent contours of the three-dimensional form model; and
modifying the plurality of generated lines by adding in the plurality of lines at least one line, moving at least one of the lines, or deleting at least one of the lines so that the plurality of lines still represent contours of the three-dimensional form model.

34. (Amended) The method according to claim 29, further comprising the step of:

generating a summary data for representing the modified plurality of generated lines, wherein a quantity of the summary data is smaller than a quantity of the obtained three-dimensional form data.

35. (Amended) The method according to claim 29, wherein the electronic data representing a three-dimensional form model is provided from a generator which generates the electronic data.

Please add new claims 38-44.

38. (New) A computer-implemented method of processing an electronic data representing a three-dimensional model, the method comprising the steps of:

receiving a first electronic data representing a three-dimensional model of an object which has been acquired on the object;

generating a second electronic data representing first portions on a surface of the three-dimensional model, wherein a capacity of the second electronic data is smaller than that of the first electronic data, and

generating a third electronic data representing a second portion different from the first portions, wherein a capacity of the third electronic data is smaller than that of the first electronic data.

45
Cont.

39. (New) The computer-implemented method according to claim 38, wherein in the step of generating the second or third electronic data, the second or third electronic data is extracted from the first electronic data, around portions at which predetermined lines are projected onto the three-dimensional model.

pub 510

40. (New) The computer-implemented method according to claim 39, wherein positions of the first or second portions are changed by changing the prescribed lines to be projected.

41. (New) A computer-implemented method of processing an electronic data representing a three-dimensional model, the method comprising the steps of:

generating an electronic data of a three-dimensional model by measuring a form of a three-dimensional object;

displaying the three-dimensional model represented by the electronic data in a two-dimensional screen of a display device; and

calculating based on the electronic data latitude lines connecting first points selected by a user on the displayed three-dimensional model with second points located on a surface of the three-dimensional model at the same latitudes as the first points; and

displaying the calculated latitude lines in the two-dimensional screen of the display device.

42. (New) The computer-implemented method according to claim 41, further comprising the step of:

receiving user's selection of one of the displayed latitude lines; and

deleting the one of the displayed latitude lines in the two-dimensional screen of the display device.

43. (New) The computer-implemented method according to claim 41, further comprising the steps of:

receiving selection of one of the displayed latitude lines by a user; and

deleting the one of the displayed latitude lines, while displaying the one of the displayed latitude lines again at a position displaced by a distance specified by the user in the two-dimensional screen of the display device.

44. (New) The computer-implemented method according to claim 41, further comprising the step of: